

Table 2.6 World Net Hydroelectric Power Generation, 1992 - 2001

(Billion Kilowatthours)

Region Country	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹
North America										
Canada.....	313.2	320.3	326.4	332.0	352.4	347.2	328.6	342.1	354.7	327.9
Mexico.....	25.9	26.0	19.8	27.3	31.1	26.2	24.4	32.5	32.8	28.2
United States. ²	248.9	276.5	256.7	308.1	344.1	352.4	318.9	313.4	270.0	208.7
Total.....	588.0	622.8	603.0	667.4	727.6	725.8	671.8	688.0	657.6	564.8
Central & South America										
Argentina.....	24.3	29.9	26.6	26.7	22.8	27.9	26.3	21.5	28.6	39.7
Bolivia.....	1.3	1.4	1.4	1.4	1.5	1.4	1.5	1.8	2.0	2.1
Brazil.....	221.1	232.7	240.3	251.4	263.1	276.2	288.6	290.0	301.7	265.5
Chile.....	16.6	17.0	16.8	19.6	18.6	18.8	15.8	13.4	18.9	21.5
Colombia.....	22.2	27.7	32.0	31.8	35.1	31.4	30.5	33.4	31.8	31.3
Costa Rica.....	3.5	3.9	3.9	3.5	3.8	4.8	4.3	5.1	5.6	5.6
Dominican Republic.....	0.5	1.1	0.5	0.6	0.9	0.7	0.7	1.1	0.8	0.7
Ecuador.....	4.9	5.8	6.6	5.1	6.3	6.5	6.5	7.1	7.3	7.0
El Salvador.....	1.0	1.2	1.2	1.5	1.9	1.4	1.6	1.7	1.2	1.2
Guatemala.....	1.8	1.9	2.0	1.7	2.1	2.4	1.6	2.1	2.3	2.2
Haiti.....	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.3	0.2
Honduras.....	2.2	2.2	1.8	1.7	2.0	2.1	1.9	2.1	2.2	1.9
Jamaica.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Nicaragua.....	0.3	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.2	0.2
Panama.....	1.9	2.3	2.4	2.4	3.0	2.9	2.9	2.8	3.1	2.5
Paraguay.....	26.8	31.1	36.0	41.7	47.6	50.1	50.3	51.4	52.9	44.9
Peru.....	9.7	11.7	12.6	13.6	13.2	13.1	13.7	14.4	16.0	17.4
Puerto Rico.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
Suriname.....	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.5
Uruguay.....	7.8	7.2	7.4	5.8	5.7	6.4	9.1	5.3	6.0	7.9
Venezuela.....	46.8	47.0	50.8	50.9	53.3	56.7	57.4	59.9	62.2	59.8
Other.....	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Total.....	394.8	426.6	444.6	461.9	483.3	505.0	515.1	515.8	545.0	513.4
Western Europe										
Austria.....	34.5	36.3	35.3	36.7	33.9	35.6	37.0	40.1	41.6	39.5
Belgium.....	0.3	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.5	0.4
Finland.....	15.0	13.3	11.7	12.8	11.7	12.1	14.9	12.7	14.5	13.3
France.....	67.2	63.1	76.5	70.6	64.5	61.6	61.4	71.6	66.2	72.7
Germany.....	17.2	17.7	19.7	21.6	21.7	17.2	17.0	19.5	21.5	22.9
Greece.....	2.2	2.3	2.6	3.5	4.3	3.8	3.7	4.5	3.7	1.9
Iceland.....	4.3	4.4	4.5	4.6	4.7	5.2	5.6	6.0	6.3	6.5
Ireland.....	0.8	0.8	0.9	0.7	0.7	0.7	0.9	0.8	0.8	0.6
Italy.....	41.8	41.0	44.2	37.4	41.6	41.2	40.8	44.9	43.8	47.7
Luxembourg.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Norway.....	115.5	118.0	110.4	120.1	102.6	108.9	114.2	120.2	140.2	119.2
Portugal.....	4.6	8.5	10.6	8.3	14.6	13.0	12.9	7.2	11.2	13.9
Spain.....	18.7	24.1	27.9	22.9	39.4	34.4	33.7	22.6	28.1	40.6
Sweden.....	73.6	73.9	58.5	67.4	51.2	68.4	73.6	71.0	78.2	77.6
Switzerland.....	32.4	35.4	38.7	34.8	28.1	33.7	33.1	39.6	36.5	40.9
Turkey.....	26.3	33.6	30.3	35.2	40.1	39.4	41.8	34.3	30.6	23.8
United Kingdom.....	5.3	4.2	5.0	4.8	3.3	4.1	5.2	5.3	5.1	3.2
Bosnia and Herzegovina.....	3.4	2.3	3.4	3.6	5.1	4.6	4.5	5.5	5.0	4.6
Croatia.....	4.3	4.3	4.9	5.2	7.2	5.2	5.1	5.8	6.7	8.0
Macedonia, TFYR.....	0.8	0.5	0.7	0.8	0.8	0.9	1.1	1.4	1.2	1.1
Slovenia.....	3.4	3.0	3.3	3.2	3.6	3.0	3.4	3.7	3.8	3.7
Yugoslavia.....	11.2	10.0	11.0	11.1	11.4	12.0	12.8	13.2	11.9	11.8
Other.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Total.....	483.0	497.3	500.8	505.9	491.1	505.7	523.4	530.6	557.5	554.1

See footnotes at end of table.

Table 2.6 World Net Hydroelectric Power Generation, 1992 - 2001 (Continued)

(Billion Kilowatthours)

Region Country	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	3.2	3.3	3.7	4.2	5.5	5.3	4.9	5.2	4.5	5.1
Bulgaria.....	2.0	1.9	1.5	2.3	2.9	2.9	3.3	2.9	3.1	3.3
Former Czechoslovakia.....	3.6	--	--	--	--	--	--	--	--	--
Czech Republic.....	--	1.4	1.4	2.0	1.9	1.7	1.4	1.7	1.7	2.0
Slovakia.....	--	3.9	4.6	5.2	4.5	4.3	4.3	4.5	4.7	4.9
Hungary.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Poland.....	3.5	3.5	3.7	3.8	3.9	3.8	2.3	2.1	2.1	2.0
Romania.....	11.6	12.6	12.9	16.5	15.6	17.3	18.7	18.1	14.6	14.0
Armenia.....	3.0	4.2	3.5	1.9	1.6	1.4	1.5	1.9	1.8	1.8
Azerbaijan.....	1.7	2.4	1.8	1.5	1.5	1.7	1.9	1.5	1.5	1.9
Georgia.....	6.5	7.0	4.7	5.3	6.0	6.0	6.3	6.4	5.8	5.8
Kazakhstan.....	6.8	7.6	9.1	8.2	7.3	6.4	6.1	6.1	7.5	8.2
Kyrgyzstan.....	9.2	9.0	11.6	11.0	12.1	10.8	9.8	12.0	13.5	12.4
Latvia.....	2.5	2.8	3.3	2.9	1.8	2.9	4.3	2.7	2.8	3.1
Lithuania.....	0.3	0.4	0.4	0.7	0.9	0.8	0.9	0.9	0.6	0.8
Moldova.....	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3
Russia.....	170.9	172.1	175.2	175.5	153.8	156.8	157.9	159.4	157.8	173.5
Tajikistan.....	15.8	16.9	16.5	14.5	14.7	13.6	14.0	15.3	13.7	13.9
Ukraine.....	8.0	11.1	12.2	10.0	8.7	9.9	15.8	14.4	11.3	13.0
Uzbekistan.....	6.2	7.3	7.1	6.1	6.5	5.7	5.7	5.6	5.8	5.2
Other.....	(s)									
Total.....	255.3	267.9	273.6	272.2	249.6	252.0	259.5	261.2	253.5	271.5
Middle East										
Iran.....	9.4	9.7	7.4	7.2	7.3	6.8	7.0	4.9	3.6	3.6
Iraq.....	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Israel.....	(s)									
Jordan.....	(s)									
Lebanon.....	0.5	0.7	0.8	0.7	0.8	0.9	0.8	0.3	0.3	0.2
Syria.....	7.3	6.6	6.7	6.9	6.9	7.3	7.9	8.6	9.2	9.9
Total.....	18.0	17.7	15.5	15.4	15.6	15.7	16.3	14.5	13.8	14.3
Africa										
Algeria.....	0.2	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1
Angola.....	0.8	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9
Cameroon.....	2.6	2.6	2.7	2.7	2.8	3.1	3.1	3.3	3.4	3.5
Congo (Brazzaville).....	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4
Congo (Kinshasa).....	6.0	5.7	5.4	5.3	5.3	5.4	5.4	5.6	5.4	5.2
Cote d'Ivoire (Ivory Coast).....	1.0	1.1	1.0	1.7	1.8	1.8	1.4	1.7	1.7	1.8
Egypt.....	8.5	10.4	10.6	10.7	11.4	11.9	12.1	15.1	13.8	14.3
Ethiopia.....	1.1	1.3	1.3	1.4	1.5	1.6	1.6	1.6	1.6	1.7
Gabon.....	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5
Ghana.....	6.0	6.1	6.0	6.1	6.6	6.8	3.8	5.1	6.5	8.4
Guinea.....	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4
Kenya.....	2.8	3.0	3.0	3.1	3.3	3.2	3.2	2.4	1.3	0.7
Madagascar.....	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Malawi.....	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.8	0.7
Mali.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
Morocco.....	1.0	0.4	0.8	0.6	1.9	2.1	1.8	0.8	0.7	0.6
Mozambique.....	0.3	0.3	0.4	0.4	0.4	1.0	1.5	6.8	6.9	7.0
Nigeria.....	6.0	5.5	5.5	5.4	5.4	5.5	5.5	5.5	5.7	6.0
Reunion.....	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
South Africa.....	0.8	0.1	1.1	0.5	1.3	2.1	1.6	0.7	1.3	2.1
Sudan.....	1.1	1.1	1.1	1.0	1.1	1.0	1.0	1.2	1.2	1.1
Swaziland.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Tanzania.....	1.6	1.7	1.5	1.5	1.7	1.6	2.1	2.1	2.2	2.4
Uganda.....	1.0	1.0	1.0	1.0	1.1	1.2	1.2	1.3	1.6	1.9
Zambia.....	7.7	7.7	7.7	7.8	7.0	7.6	7.5	7.6	7.7	7.7
Zimbabwe.....	2.9	1.8	1.6	1.8	2.1	2.1	1.9	2.9	3.2	3.6
Other.....	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.9
Total.....	55.2	54.8	55.7	56.3	60.4	63.4	60.2	69.6	69.8	73.1

See footnotes at end of table.

Table 2.6 World Net Hydroelectric Power Generation, 1992 - 2001 (Continued)

(Billion Kilowatthours)

Region Country	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹
Asia & Oceania										
Afghanistan.....	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2
Australia.....	15.2	16.5	16.2	15.7	15.4	16.6	15.6	16.5	16.6	16.5
Bangladesh.....	0.8	0.6	0.8	0.6	0.7	0.7	0.9	0.8	1.0	1.0
Bhutan.....	1.6	1.6	1.7	1.7	2.0	1.8	1.8	1.9	1.9	1.9
Burma.....	1.5	1.7	1.6	1.6	1.6	1.7	0.9	1.0	1.9	3.4
Cambodia.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	(s)
China.....	130.2	149.2	165.4	184.4	184.9	193.1	202.9	201.8	220.2	263.4
Fiji.....	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
French Polynesia.....	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
India.....	69.2	69.8	81.9	72.0	68.4	73.9	82.2	79.9	73.7	77.4
Indonesia.....	9.7	8.8	7.0	7.4	8.1	5.1	9.6	9.3	9.0	10.1
Japan.....	81.7	94.6	66.6	81.3	79.7	88.9	91.6	85.6	86.4	87.0
Korea, North.....	23.8	23.8	23.3	22.8	22.3	21.8	20.7	20.9	21.1	21.3
Korea, South.....	3.1	4.2	2.3	2.7	2.4	2.8	4.2	4.1	4.0	2.3
Laos.....	0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.8	1.0	1.3
Malaysia.....	4.3	4.8	6.5	6.2	5.1	3.8	4.8	7.4	6.9	7.2
Nepal.....	0.8	0.9	0.9	1.1	1.2	1.1	1.1	1.4	1.6	1.6
New Caledonia.....	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.3	0.4	0.4
New Zealand.....	20.4	23.1	25.6	27.0	25.7	23.6	24.2	23.3	24.4	21.7
Pakistan.....	18.5	20.9	19.2	22.6	23.0	20.6	21.8	19.1	17.0	18.9
Papua New Guinea.....	0.5	0.5	0.5	0.5	0.5	0.7	0.8	0.8	0.8	0.7
Philippines.....	4.2	4.9	5.9	6.1	6.9	6.0	5.0	7.8	7.7	7.9
Samoa.....	(s)									
Sri Lanka.....	2.9	3.8	4.0	4.4	3.2	3.4	3.9	4.1	3.2	3.1
Taiwan.....	8.3	6.8	8.8	8.3	8.6	8.9	9.9	8.8	8.7	9.1
Thailand.....	4.2	3.7	4.5	6.6	7.3	7.1	5.1	3.5	6.0	6.2
U.S. Pacific Islands.....	(s)									
Vietnam.....	7.2	7.9	9.1	10.5	11.9	11.6	11.0	13.6	14.4	16.8
Total.....	410.3	450.2	454.0	486.2	481.4	495.5	520.3	513.8	528.7	579.8
World Total.....	2,204.7	2,337.4	2,347.3	2,465.3	2,509.1	2,563.1	2,566.5	2,593.5	2,625.8	2,571.1

¹ Preliminary.² Includes hydroelectric pumped storage.

- = Not applicable.

(s) = Value less than 50 million kilowatthours.

Notes: Sum of components may not equal total due to independent rounding.

Generation data consist of both utility and nonutility sources. Data are reported as net generation as opposed to gross. Net generation excludes the energy consumed by the generating unit and excludes generation from pumped storage.

Sources: See sources at the end of Section 6.